

Report Date: 13 Mar 2015
Summary Report for Crew Drill Drill Task
Drill Number: 07-4-D9267
Drill Title: Place 81-mm Mortar into Action
Status: Approved
Status Date: 13 Mar 2015

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the MCoE G2 foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Drill Data

Proponent: 07 - Infantry (Collective)

Drill Type: Crew Drill

Approved:

Obsolete:

Restricted Read: No

Route To TMD Reviewer: No

TMD Concurrence:

TMD Comments:

Safety Level: Low

Conditions:

The mortar squad has displaced to a new firing position and receives a call for fire. The squad leader commands, ACTION. Some iterations of this task should be performed in MOPP 4.

Standards:

The squad leader places an aiming post at location mortar to be laid and commands "ACTION". The squad places the mortar into action and is ready to engage the enemy within 90 seconds of the command ACTION (day or night).

Drill Statements:

DANGER	
NONE	
WARNING	
NONE	
CAUTION	
NONE	

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning

and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. .

Cue: The squad leader initiates drill by giving the order "Action."

Coaching Point: NONE

TASK STEPS

- * 1. Unit leader picks up and places the sight case and two aiming posts at the exact position where the mortar is to be mounted.
 - * 2. Unit leader points in the direction of fire and commands, ACTION. At night, the unit leader may use a flashlight and a compass to direct the guns in the proper direction of fire.
 - 3. Gunner places the outer edge of the baseplate against the baseplate stake. He aligns the left edge of the cutout portion of the baseplate with the left edge of the baseplate stake.
 - 4. Gunner rotates the socket so that the open end points in the direction of fire.
 - 5. Assistant gunner places his left hand on the traversing handwheel and his right hand on the sight slot, and lifts the bipod.
 - 6. Assistant gunner moves around to the front and faces the baseplate.
 - 7. Ammunition bearer lowers the breech plug into the rotating socket and rotates the barrel a one-quarter turn to lock it to the baseplate. He ensures that the firing pin recess is facing upward.
 - 8. Ammunition bearer stands to the right rear of the baseplate and supports the barrel until the mount is fitted.
 - 9. Assistant gunner lifts the mount and stands it on its elevating leg assembly so that the elevation handwheel is to the right and the fixed leg assembly is to the left.
- Note: The assistant gunner prepares the mount for operation at the rear of the mortar before moving it forward.
- 10. Assistant gunner releases the securing strap, loosens the leg-locking handwheel, and lowers the fixed leg assembly until the locating catch engages in the recess.
 - 11. Assistant gunner tightens the leg-locking handwheel by hand, ensuring the teeth on either side are correctly meshed.
 - 12. Assistant gunner exposes 8 inches (200-mm) of elevation shaft, leaving the elevation handwheel unfolded.
 - 13. Assistant gunner opens the cross-leveling mechanism and traversing handwheel and centers the buffer carrier.
 - 14. Assistant gunner places the mount feet 2 to 3 feet in front of the baseplate on the ground.
 - 15. Assistant gunner positions the lower barrel clamp against the lower stop band on the barrel and secures the upper barrel clamp.
 - 16. Assistant gunner ensures that the ball-shaped end of the locking rod is secured in its recess by the locking latch and that lock barrel assembly is secure.
 - 17. Gunner takes the sight out of the sight case, inserts it into the sight bracket on the yoke assembly, and sets the mounting data on the sight: M64A1, deflection 3200 mils, elevation 1100 mils.
 - 18. Gunner centers the elevation level bubble, centers the cross-level bubble, and rechecks the elevation bubble.
 - 19. Gunner announces, "UP."

(Asterisks indicates a leader performance step.)

TASK MEASURES

1. The unit leader picked up and placed the sight case and two aiming posts at the exact position.
 2. Unit leader pointed in the direction of fire and command, ACTION.
 3. Gunner placed the outer edge of the baseplate against the baseplate stake.
 4. Gunner rotated the socket so that the open end pointed in the direction of fire.
 5. The Assistant gunner placed his left hand on the traversing handwheel and his right hand on the sight slot.
 6. The Assistant gunner moved around to the front and faced the baseplate.
 7. The Ammunition bearer lowered the breech plug.
 8. The Ammunition bearer stood to the right rear of the baseplate.
 9. The Assistant gunner lifted the mount and stood it on its elevating leg assembly.
 10. The Assistant gunner released the securing strap.
 11. The Assistant gunner tighten the leg-locking handwheel by hand.
 12. The Assistant gunner exposed 8 inches (200-mm) of elevation shaft.
 13. The Assistant gunner opened the cross-leveling mechanism and traversing handwheel.
 14. The Assistant gunner placed the mount feet 2 to 3 feet in front of the baseplate.
 15. The Assistant gunner positioned the lower barrel clamp against the lower stop band.
 16. The Assistant gunner ensured that the ball-shaped end of the locking rod was secured.
 17. The Gunner took the sight out of the sight case, and inserted it into the sight bracket on the yoke assembly.
 18. Gunner centered the elevation level bubble, centered the cross-level bubble, and rechecked the elevation bubble.
 19. Gunner announced, "UP."
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Talk:

a.Orientation: The objective of this unit drill is to provide the squad with basic skills necessary to place the 81-mm mortar into action and be prepared to engage the enemy on command.

b.Safety: The unit must ensure that the mask and overhead clearance are sufficient.

c.Demonstration: If another unit has successfully performed this drill, have that squad demonstrate it. During the demonstration, explain what is being done and why, using the performance measures as a guide. After the demonstration, summarize the actions performed by the demonstrating unit.

d.Explanation: (1) Refer to the performance measures and explain what the unit leader, gunner, assistant gunner, and ammunition bearer is required to do upon hearing the command to "ACTION."

(2) Ensure that the unit leader and squad/ section members know their duties and responsibilities pertaining to each portion of the drill.

(3) Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e.Unit Instructions: a. Resources: 81-mm mortar and all other required Table(s) of organization and equipment (TOE) assigned personnel and equipment.

b. Training Site: A mortar firing range or training area with sufficient mask and overhead clearance.

c. Unit Instructions. The unit is conducting operations and the unit leader gives the command "Action."

Walk:

1. Refer to the performance measures and have each squad member perform his part slowly at first as the leader talks him through.
 2. NONE.
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Run:

a.Run-Through Instructions: The soldiers should practice this drill until they can perform it according to standard, without using notes. The initial run-through exercise should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

b.Coaching Point: NONE

c.Performance Instructions: When the soldiers can perform this drill according to the standard, they should be evaluated by the platoon leader or sergeant.

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

Support Personnel

Personnel Type	Description	School	Qty	Remarks
No support personnel specified				

TADSS

Step ID	TADSS ID	Title	Product Type	Qty
	07-13A	Mortar, Pneumatic/ M32	DVC	1
	07-13B	Pneumatic Mortar Trainer/ M32A1	DVC	1
	TASC-303-TBD-16	TNG DEVICE, MORTAR, 81MM, MOCK-UP (Local TADSS – Not in TSMATS/PAM 25-30)	TA	1
	DVC-VBS2	VIRTUAL BATTLESPACE 2 (Local TADSS – Not in TSMATS/PAM 25-30)	DVC	1

Supporting Individual Tasks

Step ID	Task ID	Status	Task Title
	071-074-0044	Approved	Supervise a Mortar Squad
	071-11C-0100	Approved	Maintain an 81-mm Mortar
	071-11C-0101	Approved	Perform Safety Checks on an 81-mm Mortar
	071-11C-0102	Approved	Lay an 81-mm Mortar for Deflection and Elevation
	071-11C-0104	Approved	Prepare 81-mm Mortar Ammunition for Firing
	071-11C-0503	Approved	Reciprocally Lay a Mortar Using an M2 Aiming Circle
	071-11C-1000	Approved	Fire a Mortar
	071-11C-1001	Approved	Engage Targets with a 60-mm, 81-mm, or 120-mm Mortar Using Direct Lay
	071-11C-1003	Approved	Emplace Aiming Posts
	071-11C-1006	Approved	Occupy a Mortar Firing Position by a Squad
	071-11C-1200	Approved	Occupy a Mortar Firing Position by a Section

Prerequisite Individual Tasks

Step ID	Task ID	Status	Task Title
No prerequisite individual tasks specified			

Supporting Collective Tasks

Step ID	Task ID	Status	Title
	07-3-3027	Approved	Fire a Mortar Final Protective Fire Mission (Section-Platoon)
	07-3-3054	Approved	Fire a Mortar Adjust Fire Mission (Section-Platoon)
	07-3-3072	Approved	Fire a Mortar Fire for Effect Mission (Section-Platoon)

Prerequisite Collective Tasks

Step ID	Task ID	Status	Title
No prerequisite collective tasks specified			

Supporting Drill Tasks

Step ID	Drill ID	Status	Drill Title
	07-4-D9339	Approved	Fire a Mortar

OPFOR

Task Number	Title	Status
71-0-0014	Disruption	Approved

REFERENCES

Step Number	Reference ID	Reference Name	Required	Primary
	ATTP 3-21.90	Tactical Employment of Mortars	Yes	No
	FM 3-22.90	Mortars	Yes	Yes

Training Setup

A mortar firing range or training area with sufficient mask and overhead clearance.

Training Facilities

Facility ID	Facility Name	Facility Type
No Training Facilities		

DODIC

DODIC	Name	Qty
No DODIC		

Associated Documents

Media ID	Media Type	Title	Subtitle
No Associated Documents			

GLOSSARY TERMS

Glossary Term	Definition
No glossary terms specified	

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
No acronyms/abbreviations specified	